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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of
Peele

Serial No. 09/317,480

Filed: 5/24/99

For: **Dynamic Channel Allocation in a**

Sectored Cell of a Cellular

Communication System

Patent Examiner: Lockett, E.
Art Unit: 2681

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Attorney's Docket No. P-4015.279

Raleigh, North Carolina

March 22, 2001

BOX Non-Fee Amendment
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Response to Office Action of February 28, 2001

The Official Office Action dated February 28, 2001, has been carefully considered. In light thereof, Applicants submit the following remarks.

Remarks

The present invention comprises the dynamic allocation of channels within a sectored cell of a cellular communication network. Available channels are allocated in groups to particular cells based on any of a number of frequency reuse patterns. Each cell is divided into sectors, and the channels assigned to a cell are allocated in subgroups to the sectors. A controller local to each base station monitors the use of channels within cell sectors, and dynamically re-allocates one or more channels to a

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